

Plastics Material and Resin Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
325211, Plastics material and resin manufacturing	2002.. 442	688	67 596	3 857 493	43 600	90 877	2 277 549	17 128 498	30 969 806	47 891 204	2 398 228
	2001.. N	N	59 316	3 461 364	37 819	80 261	2 068 079	15 085 962	30 688 571	46 375 547	1 842 700
	2000.. N	N	63 250	3 578 852	39 806	87 138	2 126 391	18 359 353	34 405 943	52 215 459	2 244 111
	1999.. N	N	62 287	3 499 089	38 504	84 477	2 001 607	18 596 239	28 391 871	46 528 851	3 741 855
	1998.. N	N	62 789	3 297 106	37 412	83 176	1 834 182	19 071 252	25 832 676	45 028 829	3 430 616
	1997.. 299	530	61 632	3 160 542	38 078	83 556	1 798 060	17 625 910	27 750 752	45 225 887	2 923 891

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
325211, Plastics material and resin manufacturing												
United States	—	688	498	67 596	3 857 493	43 600	90 877	2 277 549	17 128 498	30 969 806	47 891 204	2 398 228
California	1	65	33	2 339	102 332	1 663	3 448	62 294	286 169	645 378	941 927	39 922
Florida	—	19	11	858	34 094	631	1 341	19 968	165 498	183 810	343 962	8 650
Georgia	1	23	17	1 606	73 071	1 076	2 036	39 625	236 054	424 235	665 330	18 741
Illinois	—	43	37	3 483	188 783	2 460	5 025	121 732	1 140 399	1 384 634	2 499 192	70 991
Indiana	—	22	15	3 257	196 219	2 389	3 893	139 324	1 335 492	1 065 718	2 333 943	108 347
Kentucky	—	20	17	2 185	149 448	1 450	4 093	79 204	603 500	1 178 649	1 766 862	60 880
Louisiana	—	23	20	3 966	265 221	2 435	5 258	161 366	951 155	3 220 748	4 222 235	371 310
Massachusetts	—	23	18	946	44 327	549	1 117	19 594	149 680	347 317	497 476	12 124
Michigan	—	30	22	2 548	150 045	1 303	2 730	66 035	445 925	888 068	1 326 000	48 776
Missouri	1	4	3	141	5 659	118	206	4 513	29 658	64 183	92 697	2 437
New York	1	13	8	439	20 672	288	636	10 356	42 688	52 843	99 665	3 479
North Carolina	2	30	22	2 188	103 874	1 592	3 261	65 861	450 395	570 426	1 017 463	50 228
Pennsylvania	2	37	30	3 313	173 709	1 988	4 213	93 705	524 908	977 762	1 501 424	41 314
Tennessee	1	10	7	1 003	49 960	702	1 561	31 426	216 678	287 424	504 283	19 402
Texas	—	74	63	18 990	1 243 887	10 631	22 607	688 244	5 784 871	12 725 516	18 407 338	1 180 234
West Virginia	—	5	5	3 005	187 382	2 070	4 384	124 492	940 095	1 035 581	1 969 227	86 713

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
325211, Plastics material and resin manufacturing	
Companies ¹	number.. 442
All establishments ²	number.. 688
Establishments with 1 to 19 employees	number.. 190
Establishments with 20 to 99 employees	number.. 339
Establishments with 100 employees or more	number.. 159
All employees ³	number.. 67 596
Total compensation	\$1,000.. 4 953 411
Annual payroll	\$1,000.. 3 857 493
Total fringe benefits	\$1,000.. 1 095 918
Production workers, average for year	number.. 43 600
Production workers on March 12	number.. 43 852
Production workers on May 12	number.. 43 852
Production workers on August 12	number.. 43 631
Production workers on November 12	number.. 42 972
Production worker hours	1,000.. 90 877
Production worker wages	\$1,000.. 2 277 549
Total cost of materials	\$1,000.. 30 969 806
Materials, parts, containers, packaging, etc., used	\$1,000.. 27 853 334
Resales	\$1,000.. 413 563
Purchased fuels	\$1,000.. 1 189 972
Purchased electricity	\$1,000.. 1 008 922
Contract work	\$1,000.. 504 015
Quantity of electricity purchased for heat and power	1,000 kWh.. 24 851 627
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 11 132 024
Total value of shipments	\$1,000.. 47 891 204
Primary products value of shipments	\$1,000.. 40 245 070
Secondary products value of shipments	\$1,000.. 7 027 613
Total miscellaneous receipts	\$1,000.. 618 521
Value of resales	\$1,000.. 480 451
Contract receipts	\$1,000.. 44 061
Other miscellaneous receipts	\$1,000.. 94 009
Primary products specialization ratio	percent.. 85
Value of primary products shipments made in all industries	\$1,000.. 45 599 173
Value of primary products shipments made in this industry	\$1,000.. 40 245 070
Value of primary products shipments made in other industries	\$1,000.. 5 354 103
Coverage ratio	percent.. 88
Value added	\$1,000.. 17 128 498
Total inventories, beginning of year	\$1,000.. 4 820 615
Finished goods inventories	\$1,000.. 3 057 546
Work-in-process inventories	\$1,000.. 437 573
Materials and supplies inventories	\$1,000.. 1 325 496
Total inventories, end of year	\$1,000.. 5 082 679
Finished goods inventories	\$1,000.. 3 265 113
Work-in-process inventories	\$1,000.. 437 106
Materials and supplies inventories	\$1,000.. 1 380 460
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 48 715 615
Total capital expenditures (new and used)	\$1,000.. 2 398 228
Buildings and other structures (new and used)	\$1,000.. 280 587
Machinery and equipment (new and used)	\$1,000.. 2 117 641
Automobiles, trucks, etc., for highway use	\$1,000.. 22 219
Computers and peripheral data processing equipment	\$1,000.. 79 971
All other expenditures for machinery and equipment	\$1,000.. 2 015 451
Total retirements	\$1,000.. 2 032 261
Gross value of depreciable assets at end of year	\$1,000.. 49 081 582
Depreciation charges during year	\$1,000.. 2 163 286
Total rental payments	\$1,000.. 253 267
Buildings and other structures	\$1,000.. 103 248
Machinery and equipment	\$1,000.. 150 019
Total other expenses ⁴	\$1,000.. 2 867 955
Response coverage ratio ⁵	percent.. 94
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 771 964
Communications services ⁴	\$1,000.. 32 785
Legal services ⁴	\$1,000.. 23 916
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 7 982
Advertising and promotional services ⁴	\$1,000.. 18 027
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 30 474
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 89 649
Management consulting and administrative services ⁴	\$1,000.. 55 660
Taxes and license fees ⁴	\$1,000.. 318 926
All other expenses ⁴	\$1,000.. 1 518 574

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
325211, Plastics material and resin manufacturing											
All establishments	—	688	67 596	3 857 493	43 600	90 877	2 277 549	17 128 498	30 969 806	47 891 204	2 398 228
Establishments with—											
1 to 4 employees	5	45	110	6 489	71	143	3 910	12 157	20 762	34 054	2 236
5 to 9 employees	1	61	425	22 905	261	537	12 039	53 297	85 183	137 922	8 681
10 to 19 employees	1	84	g	D	D	D	D	D	D	D	16 079
20 to 49 employees	—	191	6 212	283 937	4 427	9 079	171 852	1 221 715	2 252 064	3 469 969	D
50 to 99 employees	1	148	10 170	505 082	6 946	14 215	296 128	2 260 500	4 214 776	6 466 667	153 366
100 to 249 employees	—	109	15 710	835 461	10 205	22 102	506 100	4 313 224	8 874 068	13 070 156	534 675
250 to 499 employees	—	34	11 452	681 100	7 641	15 887	441 168	2 995 090	5 918 978	8 941 238	424 050
500 to 999 employees	—	7	4 368	264 547	2 831	5 840	131 371	594 186	2 126 055	2 743 204	91 922
1,000 to 2,499 employees	—	8	13 332	856 515	8 172	16 938	513 443	3 710 905	5 795 391	9 379 792	512 778
2,500 employees or more	—	1	h	D	D	D	D	D	D	D	D
Administrative records ⁴	—	—	—	—	—	—	—	—	—	—	—

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
325211	Plastics material and resin manufacturing	688	67 596	3 857 493	43 600	90 877	2 277 549	17 128 498	30 969 806	47 891 204	2 398 228
3252111	Thermoplastic resins and plastics materials	378	49 715	2 830 571	32 792	68 954	1 729 271	13 027 115	25 710 386	38 541 952	1 627 384
3252114	Thermosetting resins and plastics materials	177	15 194	894 500	9 026	18 195	470 522	3 851 735	4 905 561	8 737 649	732 012

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325211	Plastics material and resin manufacturing	2002.. N 1997.. N	X X	X X	45 599 173 45 833 316
3252111	Thermoplastic resins and plastics materials	2002.. N 1997.. N	X X	X X	37 654 632 36 589 561
32521111	Thermoplastic resins and plastics materials	2002.. N 1997.. N	X X	X X	37 330 747 36 589 561
3252111110	Thermoplastic resins and plastics materials, polyethylene	2002.. 168 1997.. N	X X	S N	11 640 015 N
3252111120	Thermoplastic resins and plastics materials, polypropylene	2002.. 105 1997.. N	X X	S N	5 761 414 N
3252111130	Thermoplastic resins and plastics materials, polystyrene	2002.. 63 1997.. N	X X	%6 227.5 N	2 677 808 N
3252111140	Thermoplastic resins and plastics materials, polyvinyl chloride	2002.. 73 1997.. N	X X	919 548.0 N	6 052 689 N
3252111150	Thermoplastic resins and plastics materials, polyester	2002.. 51 1997.. N	X X	P3 563.1 N	2 299 883 N
3252111160	Other thermoplastic resins and plastics materials	2002.. 136 1997.. N	X X	X X	8 898 938 N
3252111Y	Thermoplastic resins and plastics materials, nsk	2002.. N 1997.. N	X X	X X	323 885 N
3252111YWV	Thermoplastic resins and plastics materials, nsk	2002.. N 1997.. N	X X	X X	323 885 N
3252114	Thermosetting resins and plastics materials	2002.. N 1997.. N	X X	X X	7 328 017 8 722 920
32521141	Thermosetting resins and plastics materials	2002.. N 1997.. N	X X	X X	7 227 576 8 722 920
3252114110	Thermosetting resins and plastics materials, phenolic	2002.. 48 1997.. N	X X	S N	1 961 560 N
3252114120	Thermosetting resins and plastics materials, urea	2002.. 18 1997.. N	X X	P4 299.8 N	423 770 N
3252114130	Thermosetting resins and plastics materials, polyester	2002.. 51 1997.. N	X X	S N	1 575 439 N
3252114140	Thermosetting resins and plastics materials, epoxy	2002.. 63 1997.. N	X X	P1 312.9 N	1 074 566 N
3252114150	Other thermosetting resins and plastics materials	2002.. 97 1997.. N	X X	X X	2 192 241 N
3252114Y	Thermosetting resins and plastics materials, nsk	2002.. N 1997.. N	X X	X X	100 441 N
3252114YWV	Thermosetting resins and plastics materials, nsk	2002.. N 1997.. N	X X	X X	100 441 N
325211W	Plastics material and resin manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	616 524 520 835
325211WY	Plastics material and resin manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	616 524 520 835
325211WYWW	Plastics material and resin manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	616 524 520 835
325211WYWY	Plastics material and resin manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	— —

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3252111	Thermoplastic resins and plastics materials	
	United States	2002.. 37 654 632
		1997.. 36 589 561
	California	2002.. 590 346
		1997.. 544 766
	Florida	2002.. 214 455
		1997.. 340 670
	Georgia	2002.. 466 115
		1997.. 517 759
	Illinois	2002.. 1 833 825
		1997.. 1 885 927
	Indiana	2002.. 1 964 563
		1997.. N
	Kentucky	2002.. 1 191 837
		1997.. 1 264 041
	Louisiana	2002.. 3 929 471
		1997.. 4 668 917
	Massachusetts	2002.. 378 289
		1997.. 387 158
	Michigan	2002.. 831 515
		1997.. 581 825
	New York	2002.. 24 419
		1997.. N
	North Carolina	2002.. 561 954
		1997.. 507 380
	Pennsylvania	2002.. 1 154 713
		1997.. 988 094
	Tennessee	2002.. 1 167 096
		1997.. 1 206 176
	Texas	2002.. 13 774 945
		1997.. 13 711 185
	West Virginia	2002.. 1 771 459
		1997.. 1 916 565
3252114	Thermosetting resins and plastics materials	
	United States	2002.. 7 328 017
		1997.. 8 722 920
	California	2002.. 319 390
		1997.. 396 235
	Florida	2002.. 236 543
		1997.. 169 248
	Georgia	2002.. 147 094
		1997.. 194 720
	Illinois	2002.. 359 905
		1997.. 669 440
	Indiana	2002.. 108 422
		1997.. N
	Kentucky	2002.. 270 289
		1997.. 712 832
	Louisiana	2002.. 154 822
		1997.. 163 505
	Massachusetts	2002.. 88 933
		1997.. 92 838
	Michigan	2002.. 544 116
		1997.. 750 772
	New York	2002.. 97 762
		1997.. 278 208
	North Carolina	2002.. 391 643
		1997.. 483 195
	Pennsylvania	2002.. 231 289
		1997.. 330 052
	Tennessee	2002.. 101 847
		1997.. 97 294
	Texas	2002.. 2 197 750
		1997.. 2 129 066

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
325211	Plastics material and resin manufacturing		
00900001	Total materials .....2002..	X	27 853 334
	.....1997..	X	25 258 266
32519207	Styrene (100 percent basis) mil lb..2002..	7 234.6	1 893 689
	.....1997..	6 831.6	1 741 936
32519205	Phenol (100 percent basis) mil lb..2002..	P1 512.2	429 879
	.....1997..	1 608.4	543 411
32519229	Other cyclic crudes and intermediates (including melamine, phthalic anhydride, and benzene) .....2002..	X	1 168 545
	.....1997..	X	798 689
32519217	Synthetic organic dyes, pigments, lakes, and toners (100 percent basis) mil lb..2002..	S	47 897
	.....1997..	P9.0	20 165
32510043	Acrylates and methacrylates, monomers (100 percent basis) mil lb..2002..	2 245.3	857 096
	.....1997..	S	1 343 042
32510037	Alcohols, excluding ethyl (100 percent basis) mil lb..2002..	3 178.7	571 763
	.....1997..	1 945.9	407 457
32510041	Formaldehyde (100 percent HCHO) mil lb..2002..	493.3	57 624
	.....1997..	P1 365.9	161 629
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.) .....2002..	X	53 799
	.....1997..	X	147 833
32510047	Vinyl acetate, monomer (100 percent basis) mil lb..2002..	1 193.5	309 529
	.....1997..	P1 066.5	290 928
32510049	Vinyl chloride, monomer (100 percent basis) mil lb..2002..	11 757.6	1 857 101
	.....1997..	6 822.4	1 469 781
325100A3	Other synthetic organic chemicals (including acrylonitrile and cellulose acetate) .....2002..	X	1 534 240
	.....1997..	X	1 444 367
32411031	Ethane used as a raw material or feedstock mil lb..2002..	10 686.0	982 686
	.....1997..	Q5 983.5	539 850
32411033	Ethylene used as a raw material or feedstock mil lb..2002..	20 516.5	3 839 488
	.....1997..	Q20 076.7	4 519 540
32411035	Propane used as a raw material or feedstock mil lb..2002..	15 084.4	1 293 356
	.....1997..	P4 162.5	516 133
32411037	Propylene used as a raw material or feedstock mil lb..2002..	9 369.0	1 632 018
	.....1997..	9 792.6	1 875 646
32411043	Butadiene used as a raw material or feedstock mil lb..2002..	1 206.8	239 051
	.....1997..	Q595.8	126 792
32411045	Other refined petroleum products used as a raw material or feedstock (butane, isobutane, butylene, isobutylene, etc.) mil lb..2002..	P4 731.7	1 068 161
	.....1997..	2 057.6	435 440
00190002	Other hydrocarbons used as raw materials or feedstocks (including crude oil, natural gas and still gas) .....2002..	X	202 398
	.....1997..	X	870 548
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	1 896 035
	.....1997..	X	1 658 653
325000B7	Inorganic chemicals .....2002..	X	793 191
	.....1997..	X	660 285
32518200	Carbon black mil lb..2002..	126.7	84 244
	.....1997..	P30.4	21 493
32500061	All other miscellaneous chemicals (including additives, driers, modifiers, biocides, and dispersants) .....2002..	X	1 642 968
	.....1997..	X	N
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	245 705
	.....1997..	X	125 204
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	3 971 803
	.....1997..	X	3 251 882
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	1 181 068
	.....1997..	X	2 287 562

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.